

MINE PLAN

PLAN OF OPERATION FOR BLM

For the Small Mine Operator

1. Applicant Information:

A. Claim and Project Information

Claim Name(s)
Claim Type (Lode, Millsite, etc)
Claim Owner(s)
Claim Owner's Address
Project Name
BLM Serial Number(s)
Location of Claim(s) (Township, Range, Section)

B. Individual Completing Application:

Full Name
Title
Date

C. Business Address of Individual Completing Application:

Business Name
Street Address or P.O. Box Number
City, State ZIP Code, Country, if not United States of America

D. Telephone Number of Individual Completing Application:

Area Code Number

2. Operating Plan:

A. Provide a complete description of the operations (what will be done and how it will be done) including access, type of equipment to be used, any processing on site, and locations of facilities (any building or fence will require declaration and application under 3715)

B. Provide a Topographic Map(s) depicting;

1. Boundaries of the area of operation;
2. Surface ownership within the area of operation;
 - a. Private;
 - b. BLM;
 - c. USFS;
 - d. State;
3. Show location and layout of the area of operation. Include names and locations of any streams, creeks, and springs.

C. Description of areas to be disturbed

1. Describe the type of operation, method, or techniques you propose (Example: Drilling, Open Pit Mining, Dredging, Milling - Include locations, capacity, size and amounts).
3. Describe the size and kind of all surface disturbances, such as trenches, pits, settling ponds, stream channel and runoff diversions, waste dumps, drill pads, tailings impoundments, leach pads, buildings and facilities.
4. For new construction, include construction specifications such as widths, grades, and lengths. Show location and size of culverts.
5. Describe maintenance plans. Describe the type and size of vehicles and equipment that will be traveling the access routes.

D. Areas Disturbed by Previous Operator and Inactive.

1. Provide documentation of all disturbances within your project area that were from a previous operator. Document, map, and photograph these disturbances that will not be part of your operation and for which you believe you should not be held responsible for reclamation.
2. Provide any reclamation agreements and documentation for reclamation responsibility involving previous operators.

E. Location of any surface water bodies within one-half mile down gradient of the disturbance;

F. Provide an estimate of the acreage of the proposed disturbance(s);

3. Reclamation Plan:

- A. Provide a written description of the measures to be taken to prevent unnecessary or undue degradation and the proposed activities for reclamation to be undertaken during and after completion of the mining operation. The items in the attached Mine Plan of Operations - Reclamation Bond Checklist must be completed, as applicable.
- B. Provide a proposed schedule of the time for initiation of surface disturbance activities and completion of activities for reclamation;
- C. Provide a description of the proposed productive post-mining land use;
- D. Provide the proposed methods to be used in reclaiming any impoundments used during the operation;

1. Regrading to promote runoff and reduce infiltration;
2. Covering with waste rock, topsoil or growth medium;
3. Revegetation;
4. Diverting run-on;

E. Provide the proposed methods to be used in reclaiming any waste and development rock piles;

1. Regrading to 3:1 slopes, rounding off sharp edges, enhance the stability, reduce susceptibility to erosion and facilitate efforts for revegetation;
2. Revegetation;
3. Diverting run-on;

F. Provide the proposed methods to be used in reclaiming any dams for tailings ponds by;

1. Covering with waste rock, topsoil or growth medium;
2. Revegetation;
3. Rendering the dam incapable of storing any mobile fluid in a quantity which could pose a threat to the stability of the dam or to public safety;
4. If applicable, water treatment plants and overflow basins (applicable water quality permit may be referenced);

G. Provide the proposed methods to be used in reclaiming any solution ponds, settling ponds and other non-tailing impoundments by;

1. Backfilling and regrading in accordance with the designated post-mining land use;
2. Restoring the pre-disturbance surface water in accordance with the designated post-mining land use;

H. Provide a written description of the proposed reclamation techniques and locations of the following road features, if applicable;

1. Recontouring or regrading cut and fill slopes to the original contour or to approximate the form of the land before disturbance;
2. Removing culverts;
3. Ripping/scarifying;
4. Waterbars;
5. Revegetation;
6. Restoring or stabilizing drainage areas or streambeds;
7. Other road reclamation activities.

J. Provide a description of the proposed disposition of buildings, equipment, piping, scrap, reagents, equipment, and other hazardous or toxic materials, if applicable;

1. Demolishing to the level of the foundation and burying the demolished biodegradable items on the site in conformance with applicable solid waste disposal requirements (class 3 landfill application required from NDEP);
2. Removal off site of all other materials

- K. Provide a description of the methods to be used in reclaiming any open pit mines, if appropriate, by;
1. Performing activities that will provide for public safety;
 2. Stabilizing pit walls or rock faces where required for public safety;
 3. Constructing and maintaining berms, fences or other means of restricting access;
 4. For small pits, backfill where possible. If not backfilled, provide justification for not backfilling. Slope highwalls to 3:1 slopes were possible. Vertical highwalls that are a threat to public safety should not be left unattended or unprotected.
 5. For large open pits or rock highwalls that cannot be backfilled, berming, signing, and/or fencing will be required.
- L. Provide a description of the methods to be used in reclaiming underground mines, if appropriate by;
- a. Sealing shafts, adits, portals and tunnels to prevent access;
 - b. Constructing and maintaining berms, fences or other means of restricting access;
- M. Provide a description of any necessary monitoring and maintenance of fences, signs, and other structures to be performed by the operator on the reclaimed land, if applicable;
- N. Provide a description of drill hole plugging procedures in accordance with NRS (Nevada Regulatory Statutes 534.425 through 534.428), if applicable;
- O. Provide a description of concurrent reclamation, if applicable;
- P. Provide a description of measures to be taken during extended periods of non-operation to maintain the area in a safe and clean manner and to reclaim the land to avoid erosion and other adverse impacts. If not filed at the time of plan submittal, this information shall be filled whenever the operator anticipates a period of non-operation, if applicable;
- Q. Provide a statement that the applicant agrees to assume responsibility for the reclamation of any surface area affected by the mining operation:

4. Bonding

- A. Provide an estimate of the reclamation cost, based on:
1. The cost of equipment rental, operation and labor appropriate for the geographic area.
 2. Use current Davis Bacon Wages if the total reclamation costs are over \$2,000.
 3. If total reclamation costs are under \$2,000 you may estimate of cost from an outside contractor or use any other method which is acceptable and results in realistic cost estimates for reclamation.

- B. Provide a narrative description of the following proposed reclamation activities, if applicable;
1. Earthwork;
 2. Revegetation;
 3. Removal/Disposal/Salvage of Structures and Equipment;
 4. Post Reclamation Maintenance;

5. Acknowledgements:

- A. It is understood that should the nature of the operation change, a modified or supplemental plan of operations and reclamation will be required.
- B. It is understood that approval of this plan of operation and reclamation does not constitute:
- (1) certification of ownership to any person named herein; and
 - (2) recognition of the validity of any mining claim herein.
- C. It is understood that a bond equivalent to the actual cost of performing the agreed upon reclamation measures will be required before ground disturbing activities may begin. Bonding and any bond reduction amounts will be set on a site-specific basis by the lead agency in coordination with the cooperating agencies.
- D. It is understood that approval of this plan does not relieve me of my responsibility to comply with any other applicable State or Federal laws, rules or regulations.
- E. It is understood that any information provided with this plan that is marked confidential will be treated by the agency in accordance with that agency's laws, rules and regulations. I/we have reviewed and agree to comply with all conditions in the plan of reclamation and operations, including the recommended changes and reclamation requirements. I/we understand that the bond will not be released until the BLM gives written approval of the reclamation work.

Operator (or authorized official)

Date

NOTE: Title 18 USC § 1001 provides that:

"Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up any by any trick, scheme, or devise a material fact, or makes any false, fictitious, or fraudulent statements or representations, or makes or uses any false writing or documents knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both."